

Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **Marta ALBANO**
Address(es) 69, Luca Valerio, 00146 Rome (Italy)
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E-mail marta_albano@yahoo.it
Nationality Italian
Date of birth 08/11/1984
Gender Female

Desired employment / Occupational field

Space Engineering

Work experience

Dates	05/2011-
Occupation or position held	Project manager of transmittance Atox, Uv and flammability tests. Responsible of purchasing flammability test facility.
Main activities and responsibilities	Market research to purchase flammability test facility. Management and coordination of transmittance, flammability, Atox and UV tests. Execution of flammability tests.
Name and address of employer	Mario Marchetti , SasLab Laboratory, University of Rome Sapienza, Via Conteverde 51, 00185 Rome
Type of business or sector	Laboratory thermo-mechanical tests on materials
Dates	01/2011-
Occupation or position held	Collaborator
Main activities and responsibilities	Modelization of the pyrolysis process and optimization through a genetic algorithm with Matlab environment; Sample manufacturing of Carbon-Carbon composites. Characterization of Carbon-Carbon materials
Name and address of employer	Mario Marchetti , SasLab Laboratory, University of Rome Sapienza, Via Conteverde 51, 00185 Rome
Type of business or sector	Design and manufacturing of Advanced Composite Material

Education and training

Dates 01/2011-
Title of qualification awarded PhD in Aerospace Engineering

Principal subjects/occupational skills covered	Study, modelization and implementation of manufacturing process for Carbon/Carbon composites. Carbon/Carbon production and manufacturing (from prepreg to the final composite). Characterization of the material.
Name and type of organisation providing education and training	Sapienza University of Rome (Faculty: Scuola di Ingegneria Aerospaziale (SDIA) Department: DIAEE) 851, via Salaria, 00138 Rome (Italy)
Level in national or international classification	PhD
Dates	09/2007 - 15/10/2010
Title of qualification awarded	Degree in Astronautic Engineering, final grade: summa cum Laude
Principal subjects/occupational skills covered	Structures and hot structures, Propulsion, Flight mechanics, automatic, gas dynamic, mathematics (numerical methods). THERMOGRAPHIC ANALYSIS of a Carbon-Carbon thermo-structural panel which was tested for a re-entry simulation in the CIRA Plasma Wind Tunnel. This report, written for the SASLab (Scientific Aerospace Solutions Laboratory) , was included in the ASA (Advanced Structure Assembly) project, in collaboration with ASI, Thales Alenia Space Italia, Sapienza University of Rome and CIRA
Name and type of organisation providing education and training	Sapienza University of Rome (Faculty: Scuola di Ingegneria Aerospaziale (SDIA) 851, via Salaria, 00138 Rome (Italy)
Level in national or international classification	Specialistic level (national classification), five years
Dates	02/2011-06/2011
Title of qualification awarded	Level 5 and FCE(First Certificate in English)
Principal subjects/occupational skills covered	Study of English language (listening, writing, speaking) see attached europass language passport.
Name and type of organisation providing education and training	The British Council (Language school) 16, Via di San Sebastianello, 00182 Rome (Italy)
Level in national or international classification	B2 (European levels)

Personal skills and competences

Mother tongue(s) **Italian**

Other language(s) **English**

Self-assessment
European level ()*

English

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user

(*) [Common European Framework of Reference for Languages](http://www.cedefop.europa.eu/en/content/framework)

Social skills and competences

TEAM SPIRIT (acquired with training group works at university and at school. Now I am working with a 5 persons group at university laboratory) ,
 ABILITY TO ADAPT TO MULTICULTURAL ENVIRONMENTS (I love travelling, I have been to several countries and I like getting in touch with foreign people and cultures)
 COMMUNICATION SKILLS (I wrote my graduation thesis entirely in English. The ability to write in SYNTHETIC and CLEAR way has been acquired throughout my studies, writing the report and the conference papers. Some Russian Professors congratulated with me for my clear presentation at the 2nd Sino Conference)

Organisational skills and competences	Excellent natural born ORGANIZATION (my friends and relatives always ask me to organize journeys all over the world, events and parties. A. Ingenito, contract professor and PhD, considered me reliable and asked me to organize a school trip for my class to visit Le Bourget on June 2009. We enjoyed it very much. EXCELLENT NATURAL AND ACQUIRED TALENT OF TIME AND MONEY ECONOMY well appreciated by everybody around me (I attended an economy course at university).
Technical skills and competences	Use of laboratory facilities (as furnace, flammability (ASTM D6413) tester, transmittance) at SASLAB laboratory of Sapienza University of Rome. Assembly capacities acquired in personal and working circumstances..
Computer skills and competences	Good command of Microsoft Office™ tools, good command of MATLAB™. Experience in using SIMULINK and FORTRAN programs has been acquired during specific training courses at university. n.b. I developed a genetic algorithm with MATLAB for my graduation thesis.
Artistic skills and competences	Very good in design (experience was acquired during school and a specific course at university). I studied the piano for three years and I like all kinds of music.
Driving licence	B
Additional information	THEROMGRAPHIC ANALYSIS of a Carbon-Carbon thermo-structural panel which was tested for a re-entry simulation in the CIRA Plasma Wind Tunnel. This report ,written for the SASLab (Scientific Aerospace Solutions Laboratory), was included in the ASA (Advanced Structure Assembly) project, in collaboration with ASI, Thales Alenia Space Italia, Sapienza University of Rome and CIRA 2nd Sino conference: I presented my graduation work slides in July 2010, in Capua, at CIRA. IAF Paper was written together with my professor Mario Marchetti. Title "NEW ADVANCED CARBON-CARBON STRUCTURES FOR THERMAL PROTECTION SYSTEMS ", paper code: IAC-10.C2.4.7. This work was presented in the IAF conference in Prague, in Sept.2010 The list of papers published is reported below.
Annexes	EUROPASS LANGUAGE PASSPORT LIST OF PAPERS PAPERS AND GRADUATION THESIS are available on request at any time.



Europass Language Passport

Part of the European Language Portfolio developed by the Council of Europe



FIRST NAME(S) SURNAME(S)	Marta Albano
Date of birth (*)	08/11/1984
Mother tongue(s)	Italian
Other language(s)	English

ENGLISH									
Self-assessment of language skills (**)									
Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user
Diploma(s) or certificate(s)(*)									
Title of diploma(s) or certificate(s)				Awarding body		Date		European level (***)	
KET, pass with merit				University of Cambridge, Local Examination Syndicate, International Examinations		05/2001		A2	
PET, pass with merit				University of Cambridge, Local Examinations Syndicate, International Examinations		11/2001		B1	
Level 5				The British Council		06/2011		B2	
FCE, pass with B, 79/100				University of Cambridge, Local Examination Syndicate, International Examinations		06/2011		B2	
Linguistic experience(s) (*)									
Description						From		To	
English course at The British Council of Rome. level 5 (FCE course) . Total course classes: 90						02/2011		06/2011	
English course at The British Council of Rome. level 4 (second half). Total course classes: 45						09/2002		09/2002	
English course at The British Council of Rome. Level 4 (first half). total course classes: 45. Passed with grade B.						09/2001		09/2001	
English course at The British Council, level 3. total of course classes:45						07/2001		07/2001	

(*) Headings marked with an asterisk are optional. (**) See self-assessment grid on reverse. (***) Common European Framework of Reference (CEF) level if specified on the original certificate or diploma.

Explanatory note
 The Europass Language Passport is part of the European Language Portfolio developed by the Council of Europe. It uses the 6 European levels of the Common European Framework of Reference for Languages (CEF) to record the level of language proficiency achieved in a standardised format.
 More info on the Europass Language Passport: <http://europass.cedefop.europa.eu> - More info on the European Language Portfolio: www.coe.int/portfolio
 The template of the Europass language passport can be downloaded free of charge from the above websites.
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EUROPEAN LANGUAGE LEVELS - SELF ASSESSMENT GRID

		A1	A2	B1	B2	C1	C2
U N D E R S T A N D I N G	Listening	I can understand familiar words and very basic phrases concerning myself, my family and immediate concrete surroundings when people speak slowly and clearly.	I can understand phrases and the highest frequency vocabulary related to areas of most immediate personal relevance (e.g. very basic personal and family information, shopping, local area, employment). I can catch the main point in short, clear, simple messages and announcements.	I can understand the main points of clear standard speech on familiar matters regularly encountered in work, school, leisure, etc. I can understand the main point of many radio or TV programmes on current affairs or topics of personal or professional interest when the delivery is relatively slow and clear.	I can understand extended speech and lectures and follow even complex lines of argument provided the topic is reasonably familiar. I can understand most TV news and current affairs programmes. I can understand the majority of films in standard dialect.	I can understand extended speech even when it is not clearly structured and when relationships are only implied and not signalled explicitly. I can understand television programmes and films without too much effort.	I have no difficulty in understanding any kind of spoken language, whether live or broadcast, even when delivered at fast native speed, provided, I have some time to get familiar with the accent.
	Reading	I can understand familiar names, words and very simple sentences, for example on notices and posters or in catalogues.	I can read very short, simple texts. I can find specific, predictable information in simple everyday material such as advertisements, prospectuses, menus and timetables and I can understand short simple personal letters.	I can understand texts that consist mainly of high frequency everyday or job-related language. I can understand the description of events, feelings and wishes in personal letters.	I can read articles and reports concerned with contemporary problems in which the writers adopt particular attitudes or viewpoints. I can understand contemporary literary prose.	I can understand long and complex factual and literary texts, appreciating distinctions of style. I can understand specialised articles and longer technical instructions, even when they do not relate to my field.	I can read with ease virtually all forms of the written language, including abstract, structurally or linguistically complex texts such as manuals, specialised articles and literary works.
S P E A K I N G	Spoken interaction	I can interact in a simple way provided the other person is prepared to repeat or rephrase things at a slower rate of speech and help me formulate what I'm trying to say. I can ask and answer simple questions in areas of immediate need or on very familiar topics.	I can communicate in simple and routine tasks requiring a simple and direct exchange of information on familiar topics and activities. I can handle very short social exchanges, even though I can't usually understand enough to keep the conversation going myself.	I can deal with most situations likely to arise whilst travelling in an area where the language is spoken. I can enter unprepared into conversation on topics that are familiar, of personal interest or pertinent to everyday life (e.g. family, hobbies, work, travel and current events).	I can interact with a degree of fluency and spontaneity that makes regular interaction with native speakers quite possible. I can take an active part in discussion in familiar contexts, accounting for and sustaining my views.	I can express myself fluently and spontaneously without much obvious searching for expressions. I can use language flexibly and effectively for social and professional purposes. I can formulate ideas and opinions with precision and relate my contribution skilfully to those of other speakers.	I can take part effortlessly in any conversation or discussion and have a good familiarity with idiomatic expressions and colloquialisms. I can express myself fluently and convey finer shades of meaning precisely. If I do have a problem I can backtrack and restructure around the difficulty so smoothly that other people are hardly aware of it.
	Spoken production	I can use simple phrases and sentences to describe where I live and people I know.	I can use a series of phrases and sentences to describe in simple terms my family and other people, living conditions, my educational background and my present or most recent job.	I can connect phrases in a simple way in order to describe experiences and events, my dreams, hopes and ambitions. I can briefly give reasons and explanations for opinions and plans. I can narrate a story or relate the plot of a book or film and describe my reactions.	I can present clear, detailed descriptions on a wide range of subjects related to my field of interest. I can explain a viewpoint on a topical issue giving the advantages and disadvantages of various options.	I can present clear, detailed descriptions of complex subjects integrating sub-themes, developing particular points and rounding off with an appropriate conclusion.	I can present a clear, smoothly-flowing description or argument in a style appropriate to the context and with an effective logical structure which helps the recipient to notice and remember significant points.
W R I T I N G	Writing	I can write a short, simple postcard, for example sending holiday greetings. I can fill in forms with personal details, for example entering my name, nationality and address on a hotel registration form.	I can write short, simple notes and messages. I can write a very simple personal letter, for example thanking someone for something.	I can write simple connected text on topics which are familiar or of personal interest. I can write personal letters describing experiences and impressions.	I can write clear, detailed text on a wide range of subjects related to my interests. I can write an essay or report, passing on information or giving reasons in support of or against a particular point of view. I can write letters highlighting the personal significance of events and experiences.	I can express myself in clear, well-structured text, expressing points of view at some length. I can write about complex subjects in a letter, an essay or a report, underlining what I consider to be the salient issues. I can select a style appropriate to the reader in mind.	I can write clear, smoothly-flowing text in an appropriate style. I can write complex letters, reports or articles which present a case with an effective logical structure which helps the recipient to notice and remember significant points. I can write summaries and reviews of professional or literary works.

LIST OF PAPERS

1. "ASA:AN EXPLORATORY PROGRAM FOR THE FUTURE HYPERSONIC VEHICLES, POST TEST THEMAL ANALYSIS OF WINDWARD HYBRID PANEL", Marta Albano, Stefano Gulli, Plinio Coluzzi, Mario Marchetti, *Compositi e Nanotecnologie*, Volume 5, n°1, October 2009
2. "NEW ADVANCED CARBON-CARBON STRUCTURES FOR THERMAL PROTECTION SYSTEMS ", paper code: IAC-10.C2.4.7. ;Prague, in Sept.2010; Authors: Plinio Coluzzi, Carlo Vassalli, Mario Marchetti, Marta Albano
3. " CARBON-CARBON PYROLYSIS MATHEMATICAL MODELIZATION AND PROCESS OPTIMIZATION", Marta Albano, Plinio Coluzzi, Davide Micheli, Mario Marchetti, *Compositi e Nanotecnologie*, Volume 6, n°1, February 2011
4. " CARBON/CARBON COMPARATIVE OPTIMIZATION METHOD FOR HOT STRUCTURES APPLICATION IN RE-ENTRY ENVIRONMENT CONDITIONS", paper code: IAC -11,C2,7,2,x10125, Cape Town, Oct. 2011
5. " MANUFACTURING METHOD AND PYROLYSIS PROCESS SIMULATION OF ADVANCED CARBON CARBON FOR SPACE APPLICATIONS" ,Paper code: AA - IC3 - 2011 - 7, 3rd International Conference on Carbon Composites (IC3), Arcachon
6. " NEW MANUFACTURING METHOD OF CARBON CARBON PRODUCTION FOR RE-ENTRY SYSTEMS", Marta Albano, Plinio Coluzzi, Carlo Vassalli, Andrea Grilli, Mario Marchetti, CEAS 2011, Venice, 28 October 2011
7. "NEW ADVANCED DESIGN OF CARBON/CARBON COMPOSITES FOR HYPERSONIC SYSTEMS", Marta Albano, Fara Cioeta, Plinio Coluzzi, Mario Marchetti, 3th Sino-Italian Conference on Space Aerothermodynamics and Hot Structures , Shanghai , November 21-23, 2011